

THE EVENING WORLD'S RADIO PHONE SERVICE COLUMN.

By Capt. Robt. Scofield Wood.

(D. F. C. M. C. Croix de Guerre with four palms; formerly Commander 167th Squadron, Royal Air Force.)

RADIO CONCERTS WITHOUT AN OPERATOR.

Radio is always viewed by the general public as something that takes a highly skilled, specially trained, thoroughly competent electrician to properly manipulate. This idea is entirely erroneous, but, in spite of all that has been written, it still prevails, and it will take some actual demonstrations to prove otherwise to the majority of people.

Realizing this and desiring to prove conclusively to the public and impress upon their minds that the radio phone is practical, simple and here to stay, I, R. L. Lounsbury and W. R. Seigel, of Ossining and Mamaroneck, respectively, conceived the idea of presenting to the public upon the simplicity, in actual operation, of a radio receiving set. To disprove the idea that every note has to be caught separately and put through a special course of sprouts, and that the instrument, when once set, will record perfectly for a while anyhow, and that one does not have to play with a lot of tuning "soggets" and "duplicers," an operatorless radio set was constructed. Through the idea that the radio phone is located in the center of the business district of Ossining, and when the radio starts everything else in Ossining stops—that is, the idea that the radio phone is the center of the business district.

For those interested in the details of the operatorless set, the following is published: In order to eliminate as far as possible all static interference, the antenna system is located in the basement. A selective tuning circuit is employed, the instrument is tuned to receive WJZ and the controls are locked. The signal and control are carried on a detector and two-step amplifying outfit are carried through to a three-stage power amplifier and out through a great wooden horn, the wonder of everything stops—it is a wonder there are any windows left in the neighborhood.

The main feature of the arrangement is the absence of an operator. This is accomplished by having the circuits properly tuned and adjusted. The filaments of the tubes are lighted at the proper time. A brass wheel has been cut with flanges that correspond to the operating periods of WJZ. These flanges close a local relay current which in turn closes the filament circuit of the power amplifier. This wheel is mounted on the "hour" wheel of an ordinary alarm clock. For stability, the filaments of the detector and amplifier are lighted during the full day.

This set is having the desired effect upon the folks who have seen it in operation. For those who are still sceptical all we can suggest is a trip up the river—and be convinced.

ALEXANDERSON TO ADDRESS UNION ALUMNI.

Mr. Ernst F. W. Alexander, one of the most prominent radio engineers of the present day, will deliver a lecture on radio and also stage a demonstration at the smoker of the Union College Alumni Association at the Hotel Martineau to-night at 8 o'clock.

"V" AND "K. O. C." RADIO ACTIVITIES.

Large philanthropic institutions all over the country are equipping their various branches with radio receiving sets. No affair that give seems to be complete without a special radio number of some description. The annual exhibition of the Physical Department of the Harlem Branch, Y. M. C. A., which was held on Thursday night, started at 7:30 P. M. and was brought to a sudden close for the audience at 8:15, when the regular performance of the occasion was held.

The demand for uniform and advanced instruction in radio telephony, according to the K. O. C. educators, increased more than 1,000 per cent. during the past school year. The K. O. C. courses are free to veterans of the World War, as are some 700 other courses. The present plans of the organization call for immediate installation of high class apparatus in all schools located near broadcasting centers.

QUESTIONS AND ANSWERS

Benjamin Gurk—"I would like to know which of these three groups will give the best results: (1) Small navy loose coupler and two variometers, (2) a vario coupler with two variometers, (3) Three honeycomb coils and two variable condensers. Answer—The second group will give you the best results. The vario coupler will give a finer degree of tuning and greater latitude in adjustment.

J. B. Linden—"Can the detector unit published in The Evening World on April 15 and 17 have steps of amplification added so as to make it adaptable for use with a loud speaker?" Answer—Yes. Two steps of amplification can be added so that a loud speaker can be used with it.

S. S. D.—"I wish to know if it is possible to substitute a loud speaker for the phones in the set described in The Evening World on the 15th and 17th? If this can not be done, will you tell me of some single tube set that can be used with a loud speaker?" Answer—This set will need the addition of two steps of amplification to be used with a loud speaker. There is no single tube set that has sufficient power to operate a loud speaker.

M. Auerbach—"I am using a crystal set and would like to know if a 37-foot aerial will enable me to hear Newark and Wananamaker? If not, what shall I do to hear them in? My list is only thirty-seven feet. What is Wananamaker's call letter? Will a ground connection to a radiator be O. K.? Answer—A 37-foot aerial is much too small. It should be at least 100 feet long. The call letters of the New York stations are WJZ. A radiator ground is all right if properly made. Be sure to scrape the paint off the pipe and put a ground clamp over the wire and solder the joint.

Freeman W. Frain, Crestwood, N. Y.—"Would you please send me the hookup for the following instruments: variable condenser .001 mfd., one vario coupler with taps, detector bulb, one rheostat, one A battery, six volts; one grid leak and condenser, one tube socket. Is there anything else that is needed as I live about thirty miles from the broadcasting station WJZ? I want to receive a 224 volt B battery and a pair of 300-ohm phones. Get last Monday's Radio Column and follow the

hookup given there with the exception that the lead from the plate should be taken to the positive side of the B battery unless you want to make a tickler coil.

Frank Lance, Summit, N. J.—"Can you advise me where I can get a blue print of the wiring on a hookup of the Orbe Regenerative Receiver apparatus and two step amplifier, type No. C. R. 3, for sale by J. H. Bunnell, New York City?" Answer—The hookup you want is the regular patented Armstrong regenerative circuit. It can be found in any book of hookups.

W J Z (Newark) 360 Metres

7 P. M.—"Man in the Moon" stories for children (c) copyright Newark Sun-day Call.

7:30 P. M.—"Development of the Port of New York and its Benefits to the Nation," by C. H. Outerbridge, Chairman of the Port of New York Authority, established by compact between the States of New York and New Jersey.

8 P. M.—Concert by the Westinghouse Band, twenty-five pieces, under the direction of Louis Morrell.

K D K A (Pittsburgh) 340 Metres

3:30 P. M. and at fifteen-minute intervals thereafter, baseball scores.

7 P. M.—Baseball scores.

7:30 P. M.—"The Leak in the Dike," a bedtime story for the children.

7:45 P. M.—Government market reports and a report of the New York Stock Exchange.

8 P. M.—Baseball scores; weekly talk on "Golf for the Novice," by Dr. Louis K. Manley, University of Pittsburgh.

8:30 P. M.—Music.

9 P. M.—News.

9:05 to 9:30—Music programme by instrumental trio.

Edgar Thompson Works Glee Chorus.

9:55 to 10 P. M.—Arlington time signals.

W B Z, Springfield, Mass., will be heard on the air to-night at 8 o'clock with the following programme: Robert's Society Orchestra; Mrs. May Russell, piano; Ernest Ducloux, trumpet; Albert Neppolitan saxophone, and D. S. Robertson, violin.

W V P (1450 metres), Port Wood, N. Y., will broadcast the following: 8:50 to 9 P. M.—Musical selections on the "Empire," "Instruction in Radio." 9 P. M.—Concert under the direction of the Brooklyn Eagle.

W W Z, New York City (360 metres), will broadcast as follows:

1:40 P. M.—Edna Beatrice Bloom, soprano.

2:40 P. M.—Hazel-Berge Trio, violin, cello and piano.

3:40 P. M.—Edna Beatrice Bloom, soprano.

4:40 P. M.—Timely hints on house and garden, and suggestions from Van Fair (men's fashions).

10:30 P. M.—Justin Lavrie, dramatic tenor; Fernand Guarnieri, baritone; J. Thurston Cox at the piano.

W. G. I., Medford Hillside, Mass. 360 Metres.

7:30 P. M.—Bedtime story for the children (Little Folks Magazine), "A Little Goose Girl," read by Miss Eunice L. Randall.

7:45 P. M.—Marie V. Malachon, soprano soloist. Selections: "Perfect Day," "The Star Spangled Banner."

8 P. M.—Late news flashes; baseball scores.

8:10 P. M.—Police reports for City of Boston.

8:15 P. M.—"Tuberculosis." Personal Hygiene Talk No. 15, by B. A. Welcome, Executive Secretary, Junior Department, American Red Cross.

8:30 P. M.—Musical programme by Frederick A. Taylor, violinist; Alma E. Scott, cello; Hazel K. Scott, piano. Selections: "Serenade" (Von Blon); "Largo" (Handel), Mr. Taylor; two popular numbers, trio; "Souvenir" (Weitzel), Mr. Taylor; "By the Brook" (Boisdeffre), trio.

PIPE DOWN TO-NIGHT, RADIOS

Coast-to-Coast Test at 8 P. M.—Listen, but Not a Chirp.

The Port of New York Authority requests that amateur radio operators refrain from transmitting while the coast-to-coast and return radiophone tests are being made from the W J Z Station, Newark, N. J., to the Rockbridge Station, Oakland, Cal., from 7:30 to 8 o'clock to-night.

Chairman Outerbridge of the Authority will deliver his address on "The Port of New York and its Benefits to the Nation."

Elimination of interference as far as possible during this period will be a great factor in making the test a success. The address will be heard far out into the Atlantic and Pacific Oceans.

APPLEBY BOTHERS LIKELY TO MEET FOR BILLIARD TITLE

Francis S. Appleby and J. R. Johann won their games in the opening of the Poughkeepsie Cup final, held last night at the Recreation Billiard Academy, Brooklyn. Appleby, in Class A, playing for 250 points, defeated Louis Servatius, Class C, 250 to 52. Johann, Class C, playing for 125, defeated Julien Elco, who, as a Class B entrant, had to make 175 points, by the net score of 125 to 151. Appleby has not lost a game in the tournament to date, and it begins to look very much as if the ultimate test would be between Francis and his brother, Edgar T. Appleby, national and international amateur champion and the present holder of the Poughkeepsie Cup.

PACIFIC COAST MAY SEND A CREW HERE

SEATTLE, Wash., April 25.—Plans were shaping to-day to send the University of Washington's Pacific Coast champion crew to Poughkeepsie, N. Y., in June for the international regatta.

On Saturday the Washington crewmen defeated decisively the University of California crew on Lake Washington here. A meeting of university officials has been called to discuss sending the Washington crew East.

Havre De Grace Patrons Are All at Sea Because of Countless Form Reversals

It's a Hard Life the Pickers of
Winners Are Leading
These Days.

(Special to The Evening World.)

BALTIMORE, Md., April 25.

THE trials and tribulations of a form student would be an appropriate sub-title if ever the history of the first eight days of the current Havre de Grace meeting is bound in some small volume. For the general reputation of springtime racing at large, it was better if the story of the first eight days becomes a separate and distinct compendium. During the early history of the course, when bookmaking was the vogue, a record for winning favorites was established. Havre de Grace was regarded as the burial ground for bankrolls both during the spring and fall seasons. Four, five and six went over daily; whenever they failed the day was marked up as an unusual one.

Times and conditions have changed with the coming of the mutual. No longer is the programme book written to suit the desires of prominent stables, but rather to suit the lottery of the machines. Conditions are made which practically exclude the odds-on choice from any of the cheap races and the majority of the purses and handicaps events.

"Breaks," as the bookmakers used to call them, have become the order. Form has been knocked into a cocked hat for one reason or another. Yesterday's racing might have been a record for the numerous accidents that attended it throughout. The accumulation of defective barriers, roughriding and faulty fencing, brought woe to the faithful, who braved cold to witness the ragged sport. The State Racing Commission continues to permit fifteen-horse fields to run the mile and mile and seventy yards and the mile and a sixteenth.

Such accidents as befell little Pribble yesterday being inevitable, the closely bunched fields approach the first turn their riders fighting and knocking for positions to escape the dust clouds which arise behind the heels of the fortunate leaders. But the commission governs racing with an iron hand, and until it decides that human life is in danger, the condition must continue to prevail since there will always be more than enough horse owners anxious to run for \$600 and \$1,200 purses and there will be jockeys to ride them.

My Play lost little standing by his defeat yesterday. The son of Fair Play at least proved that he is courageous, because after being slammed back during the early running he came around his field and finished like a lion. There was no chance for him to overtake the leaders through the stretch run, but he did reduce some of the distance between him and the stewards accepted the report of the patrol judge and suspended Jockey Williams for the remainder of the meeting, charging that he had re-

frained to take out in his course along the outside when it must have been apparent some of the horses nearer the rail were in difficulty.

Brainstorm, the winner would have given My Play a stout argument in any event. He was a much better horse, better on the dry track than he had been over the slow dull ones of last week or the sandy stretch at Bowie. It is probable that hereafter Trainer Jimmy Rose Jr. will reserve him for the postboard which brought his clever victory.

Catapult's victory was one for Maryland breeding since he is a son of Dalhousie, reared at the Walden Farm at Middleburg up-State. Catapult ran the colors of his breeder, Thomas Cline, known as the stormy petrel of Maryland of racing because he is one of the few idealists left. By way of illustrating the character of the man he has always raced his own breeding and has done more for the State's thoroughbred stock farms than any other individual, although Dalhousie has always been regarded as successful and is still in the vicinity of youth.

Mr. Cline turned him over to the Maryland Jockey Club's breeding farm a few months ago for free service among the farmers or amateur breeders of the State. Catapult's speedy departure from the barrier showed that he had been appropriately named. After the race Trainer Al Weston admitted that the colt had run a quarter away from barrier at Pimlico last week in 25 seconds flat, a performance that speeded his entry into racing. He was immediately shipped to Havre de Grace by van instead of being reserved for Pimlico.

Jockey Turner is still trying to beguile the handicapper despite his success of last week when he succeeded in having Registrar beaten. He rode through the early stages of yesterday's race with the apparent confidence that Rubien was coming back after running a few furlongs. Rubien went just a little further than he had been asked to on his previous outing, and then folded up like an accordion.

Turner asked Registrar for his speed only after that had happened so that he got up to win by a half length with a colt who could have won by three or four, given a do-or-die. Rubien acted very much like an other typical son of Petersburg, that daddy of long-striding but faint-hearted sprinters who seem to love nothing better than once around a half-mile track.

Georges Calza Crowned Italian Title Holder After Two Hours and 48 Minutes on Mat.

Because Renato Gardini used foul tactics in their match at Newark last night, Georges Calza was crowned heavyweight wrestling champion of Italy. The men had been wrestling two hours and 48 minutes when Gardini used such illegal methods that he was disqualified.

It was the understanding that if the men indulged in any slugging the guilty one would be disqualified and the innocent one awarded a fall.

Gardini after holding Calza at bay for the time mentioned, began to back heel and back elbow Calza, who was on top. Bill Brown warned Gardini three different times, but the older man didn't stop until he had brought a shower of blood from Calza's nose. Then Brown disqualified him.

After waiting in the ring for ten minutes Calza stood up, as had been agreed upon, and awaited his man to return for the second fall. There was no Gardini. Evidently he had quite enough of Brown. Immediately awarded the championship to Calza, who was carried from the ring by a frenzied crowd of admirers.

For two hours the men "buled" and "scrapped." Gardini was too much for his opponent defensively and both were ugly tempered. The wrestling was just so much roughing, little science.

It wasn't the largest wrestling crowd the world ever saw, nor yet the smallest. Indeed, many of the Gotham grappling bees have drawn fewer of the innocent. It was a rumpus, a squall, however. Every seat in the big upper tier was filled, and back of them the pay-as-you-enter ladies stood four deep. And a more leather-junged aggregation of standees never saw a legging match decided.

Nat Pendleton and Wladek Zbysko were the first of the catch-as-catch-can to appear. They were asked to wrestle thirty minutes to one fall. Nat weighed 200 lbs and Laddie was twelve pounds heavier.

Will Wainwright, because of the illness of George Rothner, refereed this and the final bout.

Mister Pendleton was no sooner off the starting mark than he was browsing on the canvas with his Zbysko snared all over him. In 10 minutes time "Laddie" had applied a cruel toe, a half Nelson, an arm lock and a body scissors, but Pendleton escaped them all by the most strenuous sort of wriggling and bridging.

Pendleton was no match for the big Pole.

Yes, sir, *939 is made the same good way as our Winter weight, *923.

Your underwear comfort may go right on without interruption.

*939 is what a lot of men wear Spring, Summer and Fall. A light weight union suit of ribbed cotton, with a raglan shoulder to perfect the fit.

One of our best sellers.

Athletics! Our stock of sleeveless shirts and knee drawers was never more complete.

The best of everything men and boys wear.

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Herald Sq. at 35th St.

Fifth Ave. at 41st St.

See Pages 10, 14 and 23 for Other Hearn Advertising

WEDNESDAY

THURSDAY

Men's Stylwear Suits

Special 26.75

All wool suits in a good selection of sports models and other styles for men and young men. A wide variety of the season's best patterns—tweeds, cassimeres, worsteds, flannels and serges—in the season's best colors, including staple oxford, black and blue. Sizes 34 to 46, regulars, stouts, longs and shorts

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Fistic News and Gossip

By John Pollock

If Matchmaker Flournoy is willing to give Frank Bagley, manager of Gene Tunney, the terms he demands for Gene to fight Harry Greb of Pittsburgh a fifteen-round decision bout at Madison Square Garden on May 15 or May 19, Bagley will sign up for Tunney to defend his title in a go with Greb. Now that Bagley has agreed to allow Tunney to fight Greb in a decision contest, he figures this scrap will draw a gate of over \$75,000. Flournoy has hopes of clinching the match in a few days.

Another good bout has just been clinched to be fought at Boston, Mass., Angie Barrer, the New York middleweight, will take on Jack Malone of St. Paul, in a ten round decision bout, before the Commercial A. C., at Mechanics Building, in that city, on May 4. Harry "Battling" Leonard of Philadelphia will take on Johnny Sheppard of Worcester, Mass., for ten rounds in the semi-final.

Jimmy Hanlon of Denver and George E. O. Chaney of Baltimore will clash in another eight round bout at the Ice Palace of Philadelphia on Thursday night. In the other two star bouts of eight rounds, Earl Francis of California meets George "Young" Ernie of Buffalo, and Johnny Reiser of New York battles Kid Wagner of Philadelphia.

Although the bout between Pete Herman and Harry "Battling" Leonard of Philadelphia was not fought at the Ice Palace of Philadelphia last Thursday night because Herman was six pounds overweight, the snow nevertheless drew a gate of \$14,600. The club turned back over \$2,200 to fight fans when they demanded their money because Herman did not fight Leonard.

Luis Firpo, the heavyweight champion of South America, has got into the habit of selecting his opponents for fights now that he has won two bouts over in Newark. He seems about to fight Jack Herman on Tuesday night, and as the boxing Commission refused to give Herman a license, Doerserick had to call off the bout.

Mike Gibbons's next fight will be with Charley Fitzsimmons, a middleweight of Oklahoma City, Okla., in a ten round bout at a show to be fought off at Oklahoma City, Okla., on next Friday night. As Gibbons recently stopped Battling Ortega in one round, he ought also to K. O. Fitzsimmons.

Champion Johnny Wilson, middleweight title holder, has been signed up by Jack Tanner, the fight promoter of Denver, Colo., to fight some good middleweight at the stockyards there on the night of May 5. George Fawcett, the Philadelphia boxing promoter, is trying to match Wilson for an open-air boxing show at Shattlesburg Park in Philadelphia next month.

Jack Hanlon, matchmaker of the Olympia A. A. of Philadelphia, has decided not to conduct any more boxing shows until

the latter part of this year. Hanlon closed down his club after last night's show so that the club officials can enlarge the building. They want to compete with the Ice Palace of that city, which is drawing big crowds recently.

Law Diamond, manager of Champion Johnny Buff, claims that he has been compelled to cancel bouts for Buff which would call for over \$40,000 on account of the little champion being laid up with an abscessed gland. Diamond further stated that he had Buff signed up for numerous contests. The most important bout was to have been with Joe Lynch at the Garden on May 5.

Met O'Keefe of Brooklyn, who was operated upon eight days ago at the Prospect

Park Hospital in Brooklyn, is out of the hospital again but will not be ready to battle again for at least three weeks. Met is fast gaining strength and when he is ready to fight again he will be prepared to go against the best lightweights in the business.

Jim Tracey, the heavyweight champion of Australia, who has not fought since he came to this country, will be ready to engage in his first scrap in this vicinity in another month. His managers, George Lawrence and Joe Woodman, have received fifteen offers for him but they want him to get acclimated before they have him fight.

Bob Martin, heavyweight champion of the A. E. F., will fight in another battle to-

night. He will swap punches with Harry Krohn, the light heavyweight of Akron, O., in a twelve round, decision bout, at the State Armory at Akron, O. Considerable interest is being displayed in this go as both men are very popular to that city.

That good little bantamweight—F. Pennington, Terry M'Hugh, was signed up to-day by his manager to go against Chas. Wilmer, the Pittsburgh bantamweight, in a twelve round go at a show to be brought off by the Veletrons A. C. in Buffalo on Friday night. M'Hugh is a fast, clever boxer and will probably outpoint Wilmer.

A match has been arranged between Frank Garbons, the fighter of Brooklyn, and Happy Littleton, the promising middleweight.



A Seasonable Sale for Men

SHIRTS and PAJAMAS

If you need shirts or pajamas or both, it is time to get them now. This indeed is an opportunity. Many men will anticipate their entire Spring and Summer requirements and buy accordingly. Early selection is advisable.

3,600
WOVEN MADRAS
SHIRTS
\$1.79

1,200
WOVEN MADRAS
PAJAMAS
\$1.94

Carefully selected patterns in fancy stripes; colors that are pronounced but very neat; excellent quality of fine woven madras; fast colors; coat style; five button front; negligee model.

A splendid assortment of white corded madras as well as fancy striped patterns; finished with large ocean-pearl buttons. Sizes A, B, C and D.

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